

METHOD AND APPARATUS FOR A VOLTAGE CONTROLLED START-UP
CIRCUIT FOR AN ELECTRONIC BALLAST

ABSTRACT OF THE DISCLOSURE

[0036] A voltage control startup circuit for a lighting ballast includes first and second transistors for converting direct current from a voltage source into alternating current to operate a lamp. The circuit includes an input portion for receiving a bus voltage signal, a resonant load portion for receiving a lamp load. The ballast also includes a start-up portion that delays firing of the lamp based on the detected bus voltage.